WG Reorganization Discussion
(CCAMP, TEAS, MPLS)
(and PCE)

Background

- Routing area changes covered/ announced by ADs at IETF 90

- New WG: TEAS

  – Traffic Engineering Architecture and Signaling

- Drawn from

  – CCAMP, MPLS, PCE (minor impact)

- Draft charters posted last week for comment

High-level View

- Traffic Engineering Architecture and Signaling (TEAS)
  - TE Architecture
  - Generic protocol work for TE
  - Oversight and coordination of TE protocol work
- CCAMP
  - Protocols for non-packet data planes
  - LMP
- MPLS
  - Protocols for MPLS-TE (including MPLS-TP)
  - All other MPLS work as normal
- PCE
  - Coordination with TEAS on TE architecture involving PCE
  - All PCE work as currently
- Adding YANG deliverables everywhere
- Lots of cooperation between the working groups

Details for Review

- https://datatracker.ietf.org/doc/charter-ietf-teas/
- https://datatracker.ietf.org/doc/charter-ietf-ccamp/
- https://datatracker.ietf.org/doc/charter-ietf-mpls/
- https://datatracker.ietf.org/doc/charter-ietf-pce/

- Plans…
    - Comments now
        - routing-discussion@ietf.org
    - Preliminary IESG review November 25th
    - IETF and external review for two weeks
    - Formal IESG review December 19th
    - All charters in place by the end of the year

TEAS Charter Summary

- http://datatracker.ietf.org/doc/charter-ietf-tease
- Takes on overall stewardship of Traffic Engineering
  - Coordinates with MPLS, CCAMP, PCE
- Takes on overall stewardship of RSVP-TE
  - Generic MPLS-TE and GMPLS RSVP-TE mechanisms
  - Non-technology specific mechanisms
- Coordinates with OSPF and ISIS on generic TE routing mechanisms
- Responsible for generic TE DB management / information modules
  - Coordinates with MPLS, CCAMP, PCE, OSPF, ISIS, …

CCAMP Impact

- http://datatracker.ietf.org/doc/charter-ietf-ccamp

- Generic TE work moves to TEAS
  - Coordinates with TEAS on TE Architecture

- Focus is on mechanisms for non-packet, technology specific networks, E.g.,
  - Flexible grid, Ethernet, TDM, OTN, …

- Work on LMP is not impacted

MPLS Impact

- http://datatracker.ietf.org/doc/charter-ietf-mpls

- Defines new packet/MPLS-TE specific TE mechanisms

    - Coordinates with TEAS and CCAMP on when mechanisms should be multi-technology or both MPLS-TE and GMPLS

- Coordinates with TEAS on TE Architecture

PCE Impact

- http://datatracker.ietf.org/doc/charter-ietf-pce

- Coordinates with TEAS on TE architecture

- Coordinates with CCAMP, MPLS and TEAS on
  - RSVP-TE
  - PCEP

Candidate TEAS & CCAMP Drafts

TEAS

- ...lsp-attribute-ro
- ...lsp-diversity
- ...mpls-tp-rsvpte-ext-associated-lsp
- ...rsvp-te-domain-subobjects
- ...rsvp-te-li-lb
- ...rsvp-te-srlg-collect
- ...te-metric-recording
- …network-assigned-upstream-label
- …interconnected-te-info-exchange

From mpls:
- ...mpls-p2mp-loose-path-reopt
- ...mpls-rsvp-egress-protection
- ...mpls-rsvp-ingress-protection

CCAMP

- ...flexi-grid-fwk
- ...flexible-grid-ospf-ext
- ...flexible-grid-rsvp-te-ext
- ...flexigrid-lambda-label
- ...grid-property-lmp
- …wson-iv-info
- …rsvp-te-bandwidth-availability
  - Possibly generic
- …ospf-availability-extension
  - Possibly generic
- ...additional-signal-type-g709v3
- ...otn-signal-type-subregistry

Other Discussion Points

- [From the floor]

Closing Comments / Next Steps

- Questions
- [By the ADs]